



FEEDLINE



BULLETIN OF THE CANTON AMATEUR RADIO CLUB
Affiliated with the "American Radio Relay League"

FEBRUARY....1992

PRESIDENT- Mark Warrington N8LZB	SECY - Jerry Shrigley	K8AHF	
VICE PRES -	EDITOR - Bill Parks	K8JZN	
TREAS - Larry Schmader	K8RMY	ASST - Mickie Parks	XYL

Trustees

Dave Ost	W8BPTU	Craig Stucker	N8KNW
Chuck Henley	N8LIV	Dave Beltz	W8BAYE
Scott Mathews	N8JSK	Kent Rothermel	K8BLNG

The C A R C meets the third Wednesday of the month at 7:30 PM.

NEXT MEETING IS FEBRUARY 19TH at the EMERGENCY PREPAREDNESS CENTER.

NEW ADDRESS FOR FCC

There is a new address for the FCC that we are to use to send our license applications and modifications to.

Effective immediately, all Amateur license applications and modifications should be sent to: FEDERAL COMMUNICATIONS COMMISSION, 1270 FAIRFIELD ROAD, GETTYSBURG PA 17325-7245. There was no mention to where to send renewals to, so when we get that clarified, we will report on that address.

"EARTHWINDS BALLOON"

The EARTHWINDS balloon should be airborne by the time you read this. Early this month is the scheduled take-off time. The pilot is Larry Newman KB7JGM. The other crew members are Vladimir Dzanibekov and Don Moses. Their goal is to circumnavigate earth.

Takeoff will be from the Loral Airdock (home of the Goodyear blimps), climb to 35,000 feet and follow the jet stream around the world and return to the Akron area. The trip is expected to last eleven to twenty two days, depending on the jet stream.

Through the efforts of Bill Brown WB8ELK, Bob Rau N8IYD and Judd Nichols (a new Technician licensee), an Amateur Radio beacon will transmit digitized voice. Bill Brown has his own voice on a chip with a vocabulary of 19 words, enough for the balloon's global positioning system to transmit "KB7JGM EARTHWINDS" and then read out the balloon's latitude, longitude and speed in knots.

The beacon will be heard on 28.303 at 15 and 45 minutes past the hour, with additional transmissions possible at 30 and 55 minutes, power supply permitting.

28.303 is the school net frequency at 12 noon EST Tuesdays and Thursdays. Many schools will follow the flight using materials provided by the ESPN cable TV network. Hams are encouraged to share this flight with schools in their area by aiding in beacon reception. ESPN will cover the launch live and plans nightly reports during the flight.

SPECTRUM PROTECTION ACT - by George Race WB8BGY Vice Director

The congressional recess ended on January 21, and the House and Senate have reconvened. As of this time, we do not have a majority of members in either House as co-sponsors of the Amateur Radio Spectrum Protection Act, House Bill H.R. 73, Senate Bill S. 1372. We need each of you to contact your Senators and Representatives and urge them to become co-sponsors so that when action is taken on this important matter by the 102nd Congress, it will be in the favor of Amateur Radio.

When you write your Senators and Representatives, please be sure to send a copy of your letters to Perry Williams W1UED, at ARRL HQ in Newington CT, Perry is our Washington D.C. lobbyist. Copies of your "letters from home" give him the opportunity to call on your Congressional Representatives on your behalf. This personal contact is very important to the process and only you can make it happen. As of December 5th, neither Howard Metzenbaum nor John Glenn has signed on as co-sponsors of the Bill. Please let them hear from you soon!

POSTAL PROBLEMS IN FORMER REPUBLIC OF USSR - From NT2X

Current postal situation in Russia and other republics is "B A D".

For Amateurs, it means one thing - your letters and QSL cards are being destroyed along the way. Massive mail pilfering by customs and postal employees along the route is common. Dishonest postal employees, skilled in determining which letters contain valuable enclosures, remove them to supplement their incomes. Finding \$10.00 is equal to a month worth of good wages.

Once again we are faced with the question - how to get QSL cards out of Russia and other republics. Here are a few suggestions given to

me by my friends over there:

By all means, avoid flashy envelopes and stamps. Make your letter appear as plain as possible - use metered mail instead of stamps, forget airmail. Use plain opaque envelopes instead. Any callsign on the outside is a dead giveaway - your or addressees. Write your name and address by hand. Don't mention 'radio' or 'club'. Seal your envelopes with synthetic glue which withstands heating or steam. Do not rely on the envelope glue to do the job, postal thieves are very skillful in opening envelopes without leaving traces. This makes their job difficult if not impossible and they may leave your mail alone.

Use scotch tape to seal seams, after the letter is sealed with glue. Be generous with the tape around the seams, edges on the back of the envelope. Only addressee's address goes on the front of the envelope, in the upper right side. Leave the lower right side unfilled (that's where senders' address normally goes). Do not send currency, use IRCs instead. Your enclosures are best secured by another opaque envelope inside. Use a smaller size and do not fold the inside envelope as it will immediately bring unwanted attention.

Good luck with those cards.

Ed Kritsky NT2X

CLUB COMPUTER USE

Chuck NBLIV, our Digital Communications Chairman, has a few guidelines for the members to use.

If you want to use the computer for personal use, do not store any data on the hard drive. Bring your own formatted floppy disk and programs for your use. If you have any IBM compatible HAM Shareware or Public Domain software that you feel should be on our computer, call NBLIV on 494-9005, and give him the details.

If you want to use the packet or digital modes, ask Chuck or one of the committee to sign you up for an orientation session in the operation at the club meetings. At other times, and you run into trouble on the computer, give Chuck a call on 494-9005, Jerry KABAHF on 492-7785, Scott N8JSK on 492-6145, or Craig on 494-0675 and they can probably help you with your problem.

1992 CARC MEMBERS

WHO ARE YOUR FELLOW MEMBERS IN THE CANTON AMATEUR RADIO CLUB ????? Here is a list of current members. If you don't see some of your buddies listed, get after them to join the ranks. WHAT ARE THE BENEFITS OF BELONGING ???? The feeling of belonging to a fine group of fellas and gals, a place to meet and have an eyeball ragchew with others in the wonderful hobby of Amateur Radio, use of the club station HF, VHF, UHF, AND DIGITAL MODES. Receive the club "FEEDLINE" newsletter to keep up on all the local Amateur Radio happenings, a free copy of the Stark County Amateur Radio Directory published every two years with up-dates

in between, hold any office in CARC and the privilege of voting on all issues and motions made by the members, on ways to improve the club and make being a member more enjoyable. Your ideas and input are very important.

CANTON AMATEUR RADIO CLUB MEMBERS - FEB 1, 1992

W1FEZ	JOE VIGNOS	N1JW	AL MELEG JR	N2LFS	CARL PRINCE
WA3GOG	TOM MAGEL	K4FID	GORDY JONES	N4MGG	LAURA MATNEY
K14NB	GEORGE MCARTHUR	KK4YM	DAVID MELEG	K15KG	FRED BAUER
N5RRD	RON SIDES	W5VVK	PHIL GIZZI	KF6ME	DICK BEAMAN
K7GFZ	JOHN GRAY	W7JRH	BOB BREEN	N8AAE	VIC BELL
K8AGB	DENNY MORIARTY	K8AHF	JERRY SHRIGLEY	N8AHJ	BOB CRONAUER
W8AHK	ROGER GRAY	N8AIM	JUDY MCCUNE	W8AIU	EARL SNYDER
N8AJU	SUE SIMPSON	W8AKU	GEORGE MATINIDES	K8BARW	DONNA SMITH
K8BATI	DON CLAPSADDLE	N8ATZ	TERRY RUSS	AA8AU	JESSE FELTY
K8AXA	ROGER MCDANIEL	WD8AYA	PAT VANORSDALE	WD8AYB	FRANK KADAR
WD8AYE	DAVE BELTZ	WD8BGW	JOE HERRICK	WD8BHJ	MARGE BAUER
W8BTT	BOB CASTLE	K8BYC	CHARLIE SCOTT	K8BBZK	DICK GASTON
KF8CD	DALE OSBORN	WD8CDO	JIM NICKAS	WD8CIB	ARLAN SMITH
WD8CIM	TIM SIEGENTHALER	W8CMT	JIM SWIHART	W8CNI	JOANNE HOLBEN
K8CQE	DAN THOUVENIN	N8CXG	ROGER STEPHENS	K18D	JERRY ATER
KK8D	SCOTT DUNCAN	W8DBI	BOB SEVER	N8DHT	MYRON KOYLE
N8DIW	FRANK PERSHING	K8DNZ	NICK PAVLIS	K8DQV	DICK HOLBEN
W8DRT	ED CLINGER	WD8DTP	JIM DARRAH	K8DYC	BOB VEGA
W8EAR	NELSON CALEY	KF8EB	JERRY LAROCCA	N8ECW	TOM BRYANT
N8EIL	EVERETT EAGLE	W8EK	KEN SIMPSON	N8EYM	SCOTT WARSTLER
K88FBM	MARGARET PAPULIAS	W8FEC	ART SCHERMERHORN	K88FFC	SAM CALHOUN
K88FFE	JOHN CALHOUN	W8FRB	DAVE POLEN	K88FSK	ART DUNCAN
K88FTM	LEE COVERT	N8FUR	DAVE VANSICKEL	K88FZX	SANDY SHRIGLEY
WX8G	JOHN MYERS	K88GAA	PAUL SNYDER	K88GHZ	JIM WILSON
K88GIA	GLADYS WILSON	KD8GL	JAY PAULOVICKS	W8GRP	SAM PLESSINGER
W8GSK	DAVE DOMER	N8GXO	JANET PHELPS	W8H	KEITH CHAMBERS
KE8HA	DAVE RAINES	N8HHP	DARRELL SHAFFER	K88HLB	LLOYD DUNHAM
KE8HQ	MAYNARD HERSHBERGER	N8HRL	JUNE SNYDER	K88HSW	GARY JARRELL
N8HVI	SAM ZIANS	K88HWV	MATT STEPHENS	AJ8I	PAUL MILLER
WC8I	BILL DEEM	K8IAB	JOE VIANELLO	N8IAK	PAM MYERS
N8IFF	BRUCE SMITH	N8IGY	DAN BARRETT	WD8IKC	DORIS SMITH
WD8IKE	NORM MUNSON	WD8IFE	HERB BUSHONG	K88IRN	GEORGE DRAGOVICH
K88IRP	SCOTT DUNCAN JR	K8ISS	JOHN PATTERSON	K88IVS	MARY ANN ROYER
W88IZR	BOB WIRTZ	WQ8J	DON PERRY	N8JBB	DAN HUTCHESON
W88JLE	LARRY BECKER	KD8JN	RANDY PHELPS	WD8JQW	JIM CHERRY
N8JSK	SCOTT MATHEWS	K88JTI	JOHN STANFIELD II	N8JTI	DICK POWLIS JR
N8JYT	DAVE MAST	K8JZN	BILL PARKS	W8KDM	JOE HORVATH
N8KJA	JOEL SCHWARTZ	N8KNW	CRAIG STUCKER	K88KPG	MELISSA MAGEL
K88KPH	JENNIFER MAGEL	WD8KPO	DERALD KRAFT	K8KTM	JOHN BLAZEKOVICH
N8KVD	DAVE WILSON	W8KXP	DICK KRETZINGER	KF8KY	MARK SANFORD
N8KZZ	TOM STREB	K8LBZ	JOHN EDEL	N8LCS	JACK WADE
W8LDQ	JESS WILSON	WD8LFM	BILL MACNEALY	W8LHY	HERB MALLON
N8LIV	CHUCK HENLEY	K88LNG	KENT ROTHERMEL	W8LNJ	DAVE KOCH
W8LNK	KAY MCCUNE	K88LPJ	CHRIS MCKNIGHT	W8LVL	DAG DAGGETT
N8LVO	DAN MUTIGLI	KF8LZ	ALAN ORWICK	N8LZB	MARK WARRINGTON
NN8M	STAN FRIEDMAN	NV8M	WES MAST	N8MAA	JIM MILLER
WD8MBN	JOHN DECKER	WD8MCC	STEVE VOICAN	W88MEK	PAUL PAPULIAS
KE8MF	JERRY BLOOM	W88MHN	DON AMADII	K88MHQ	MARK LADNOW
K88MHZ	GARY SHUNK	W8MIJ	BOB GANSER	K88MLA	CHRIS SMITH

WDBMMG	ART JAMES	WBMND	MYRHL LEMLEY	KB8MOK	BOB FOSS
KF8MR	BOB CARSWELL	WBMSE	MARION SNYDER	KB8MSL	BERNIE WICKHAM
KB8MSX	GARY LEWIS SR	N8MWT	BRAD KELLEY	KA8MWZ	ROD BRICKER
K8MZT	SHIRLEY REX	KABNAJ	MIKE KING	N8NCX	BILL GRIFFITH
N8NCZ	PAT FILIMON	N8NDH	BOB SCHMUCKER	KD8NF	ELEANOR MACNEALY
N8NFI	BYRON BERGER	N8NGZ	JIM THRASHER	K8NIB	DENNY FREY
N8NMY	BOB KNOTTS	N8NSL	CHUCK HARDIN	N8NVP	SCOTT KLEMENS
KE8NZ	JOHN MCGEORGE	K8OBW	CHUCK KEETON	WD8OCL	DON SMITH
W8QJW	AL MELEG SR	KC8QN	WARREN BOLI	N8OPC	WILBUR MOSER
KC8OU	DICK DAGER	N8OUR	JOHNNY SIBLE II	W8OYV	HENRY MCLAUGHLIN
KABPBA	JIM PORTER	N8PII	RUSS MCMAHEN	N8PIM	KEN KRONINGER
N8PKK	KAREN BECKER	N8PMQ	PAUL MAKSIM	WD8PTR	RALPH URY
WD8PTU	DAVE OST	WBPZK	DICK SCOTT	N8MQ	PAUL KIEHL
W8QCX	WOODY MARTIN	K8QNT	ED THOMPSON	WABRIV	JOHNNY SIBLE
K8RMY	LARRY SCHMADER	WABRMZ	BOB ESTEP	WABRQX	BOB CAIRNS
KABRSP	RAY BARCLAY	KABRVJ	HAROLD KING	NK8S	JERRY SCHNEIDER
WABSCH	ROY HATHAWAY	W8SPZ	GEORGE WASEMAN	W8TQV	HERM ZEPP
WABTUP	MARK BORON	W8TUY	FRANK DEARMAN	W8TVI	TIM WHITEHOUSE
W8BU	BILL JOHNSTONE	K8UCN	SCOTTY MUSGRAVE	W8UCW	JERRY ORTMAN
K8UDO	HAROLD DUNN	W8UIL	PAUL HUGHES	W8UNE	RAY HOYLE
KC8UD	JIM MCALLISTER	W8UPI	DEL HOSTETLER	KABUVU	KEN REA
W8BVGE	MIKE BRYCE	W8VLK	PAT ROBINSON	W8VUN	DICK STELLARINI
W8BVUO	TOMMY JOHNSON	W8W	EARL WATKINS	W8W	DAN PAAR
K8WDR	RAY MAURER	K8WFN	VICKI DEEM	W8WNU	BELDEN BLAKE
KABWWT	DAN ERB	KD8XD	JULIUS ERDOS	KABYMQ	JULIE STEPHENS
KABYMS	BRYCE MCMICHAEL	KABZ	TOM BARNES	KA9KWL	KATHY MAGEL
	MARY KRUG		MARK SMITH		CAROL BUSHONG
	DOUG BUSHONG		STEPHEN SIMPSON		ELLY PRINCE
	MIKE PARKS				

JANUARY CARC MEETING MINUTES

The January 15, 1992 regular meeting of the Canton Amateur Radio Club was called to order at 7:35 PM by President Mark Warrington N8LZB. The usual round of introductions followed with 30 members and one guest in attendance.

SECRETARY'S REPORT - There were no additions or corrections to the minutes of the December meeting and they were approved as published.

The club has received four entries for the QSL card contest.

Alinco Electronics has announced a holiday rebate offer. If you have purchased an Alinco DR-5900 mobile, the DJ-160T or the DJ-560TA hand helds between December 1, 1991 and March 31, 1992, you are eligible for a rebate. Please see club secretary for further information.

TREASURER'S REPORT - Larry Schmader K8RMY, reported a balance of \$3224.00 in the club treasury.

PRESIDENT'S REPORT - Mark Warrington N8LZB, reported that the trustees have decided that the prize for the QSL card contest, will be a \$100.00 gift certificate from Amateur Electronic Supply.

The club now has a Computer Committee. The committee members are Craig Stucker N8KNW, Scott Mathews N8JSK, Jerry Shrigley K8AHF and

Chairman Chuck Henley N8LIV. Chuck hopes to have some classes in the near future for those wishing to learn about the computer's operation.

NEW BUSINESS - Art Schermerhorn WB8FEC, reminded the club of money that the club set aside for a scholarship fund. Art moved that this money be sent to F.A.R. (Foundation for Amateur Radio), so that they may distribute it to a worthy Ham. The motion was tabled until more information could be obtained about F.A.R. and other organizations of their type.

50/50 drawing, Stan Friedman NN8M won \$10.00.

The meeting adjourned at 7.55 PM for coffee, donuts and eyeball QSO's.

Respectfully Submitted By
Jerry Shrigley K8BAHF
CARC Secretary

THE PHILOGISTON THEORY OF ELECTRONICS

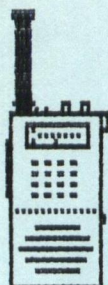
Julius K8BXD, received the following packet message from WB9UNG.

... The other day I found a note in my shack and as I read it, realization of a basic truth came over me. SIMPLE! So obvious we couldn't see it! John Kuinin EN, Chairman of Palomar Repeater Committee, has discovered what makes integrated circuits work. He says that smoke is the thing that makes IC's work because every time you let the smoke out of an IC, it stops working. He claims to have verified this through thorough testing.

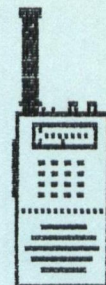
... I was flabbergasted of course! Smoke makes all things electrical work. Remember the last time the smoke escaped from your HF rig? Didn't it quit working? I sat and smiled like an idiot as more of the truth dawned. It's the wire that carries the juice from one device to another in your radio and when the wire springs a leak, it lets the smoke out of everything all at once and then nothing works. The power supply requires large quantities of smoke to operate properly. That's why the wire going to it is so big.
Many thanks to K8OCMP and K8BXD.














UPCOMING VOLUNTEER EXAM SCHEDULE

2-29	STARK COUNTY	DICK STELLARINI	WB8VUN	ON 453-5896
3-14	PORTAGE COUNTY	JOANNE SOLAK	KJ30	ON 274-8240
3-28	NORTON	MARY WAGNER	K8MPH	ON 882-6387
4-18	GOODYEAR ARC	TONY MORTIMER	K8ICF	ON 836-8869
5-30	STARK COUNTY	DICK STELLARINI	WB8VUN	ON 453-5896
6-13	PORTAGE COUNTY	JOANNE SOLAK	KJ30	ON 274-8240
6-27	NORTON	MARY WAGNER	K8MPH	ON 882-6387
7-25	GOODYEAR ARC	TONY MORTIMER	K8ICF	ON 836-8869
8-29	STARK COUNTY	DICK STELLARINI	WB8VUN	ON 453-5896
9-12	PORTAGE COUNTY	JOANNE SOLAK	KJ30	ON 274-8240
9-26	NORTON	MARY WAGNER	K8MPH	ON 882-6387



MARCH 1992 CANTON ARC



S	m	T	W	T	F	S
1  MUTUAL AID NET N8LIV BD KB8LWP BD	2	3 ARES 7PM SDXA 8PM	4  CFARC QCWA NET 8PM KB8FZX BD	5 TUSCO RC ALLN RC	6 MARC 8PM NOON LUNCHEON	7 BREAKFAST AT COUNTRY MANOR
8  MUTUAL AID NET W80JW BD	9  WQ8H BD ELYRIA RC	10  ARES 7PM N8FEB BD	11 QCWA NET 8PM	12  GOODYEAR ARC ESC N&I NET 9PM KB8MSX BD	13 NOON LUNCHEON	14  KB8FBM BD BREAKFAST AT COUNTRY MANOR RAVENNA VE
15 MUTUAL AID NET TOLEDO MOBILE HAMFEST	16  KA8LEJ BD NOARS TRUSTEE'S MTG	17  ARES 7PM ST PATRICK'S DAY KB8HSW BD B&W ARC	18  CARC 7:30PM CFARC	19 TUSCO & SARA ESC N&I NET 9PM	20 NOON LUNCHEON	21 BREAKFAST AT COUNTRY MANOR
22  MUTUAL AID NET W88AYR BD KA80ZM BD K4FID BD LAKE CO HAMFEST	23	24  ARES 7PM K8DQV BD	25 PORTAGE RC QCWA NET 8PM	26 ESC N&I NET 9PM	27  NK8S BD NOON LUNCHEON	28 BREAKFAST AT COUNTRY MANOR NORTON VE
29 MUTUAL AID NET	30	31 ARES 7PM				